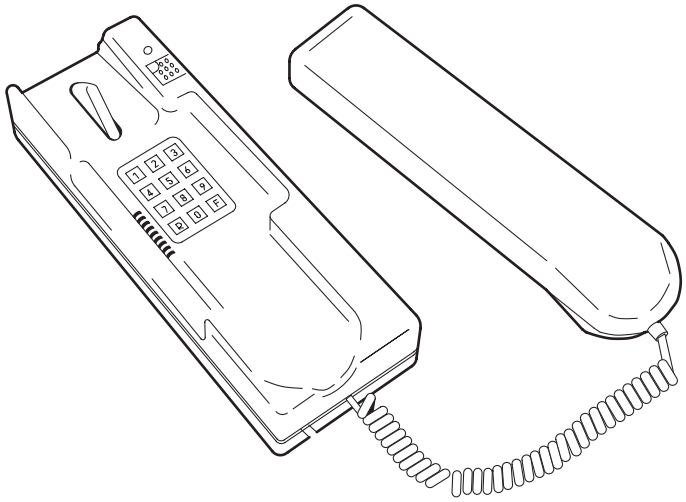
EASIVOICE SYSTEM



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EASIVOICE

SECTION 2 CONTENTS

DOOR PHONE AND VIDEO DOOR PHONE SYSTEM - DIAGRAM

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ELECTRONIC INTERCOM SYSTEM Mod. 926

Electronic intercom Mod. 926 can be installed in any building for a simple and efficient phonic communication system capable of supporting several communications simultaneously.

Up to 97 intercom door phone can be interconnected. There is no centralized device to manage the system since each intercom contains the necessary electronics for handling a dialogue with the rest of the installation.

There can be up to four independent communications simultaneously.

A general call can be made through an independent fifth phonic channel.

Programming is very easy and does not require having to open the intercom door phone.
There are two versions of the intercom door phone which can be easily distinguished one from the other by the presence or absence of the door-opener key:
- Intercom model **Ref. 926/1**
- Intercom model that can be connected to a loudspeaking unit **Ref. 926/2**

There are two versions:
- Connection to 97 intercoms max. only with intercom service.
- Connection to 25 intercoms max. with intercom service and with possibility of answer to outdoor station.

SYSTEM FEATURES

The following is a summary of system features:
- Connection of a maximum of 97 intercom door phones.
- Very easy programming of the door phone codes that can be made directly from outside (of the same door phone).
- 4 simultaneous and independent conversations.
- Possibility of conference among 4 door phones max.
- Possibility of busy line insertion.
- Clearing the line (only from an activated door phone).
- Possibility to oblige the user to answer.
- Possibility to route the call to another door phone (follow-me). This function - if necessary - can be modified for realizing automatically the “secretary function”.
- “Secretary” function, that is the possibility to transfer the incoming calls from an intercom “x” to a “y” one. Anyway “y” can call “x” and the last one can make outgoing calls.
- Paging function carried out by means of a 5th independent and dedicated line, connected to a loudspeaker by means of an amplifier (only from activated intercom/s).
- Possibility of connection to an amplifier able to manage sound and message diffusion with “disk-jockey” function (automatic lowering of the sound diffusion volume during the sounding message).
- Possibility to receive door phone calls from a call station appropriately connected (only for Mod. 926/2). In case the intercom is already engaged in conversation with another indoor set, the possible call from the outdoor station is signaled both visually and acoustically.
- Automatic lowering of the sound intensity of the beep on the loudspeaker when the handset is unhooked and the hook is pressed with a finger.

The system utilizes a single phonic ground conductor, therefore it cannot guarantee absolute secrecy of conversation, i.e. during the course of a conversation, it may be possible to hear another conversation in course on another line (crosstalk effect) at a distance. It will be necessary to adopt appropriate measures to minimize this problem.

EQUIPMENT

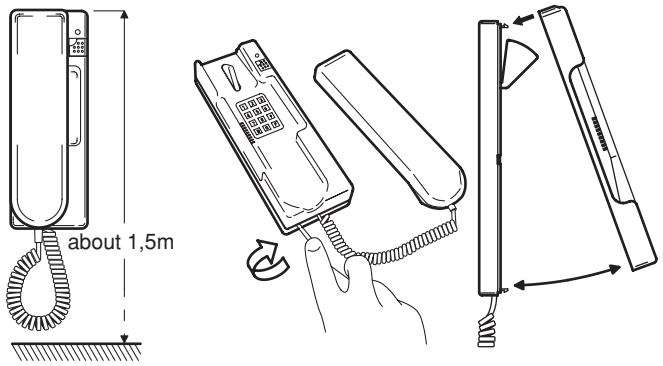
The device forming part of the system are as follows:
- Intercom door phone **Ref. 926/1**
- Intercom door phone and with connection to loudspeaking unit **Ref. 926/2**
- Table kit **Ref. 926/4**
- Power supply for electronic Intercom **Ref. 926/3**

INTERCOM DOOR PHONE FEATURES

The intercom door phone can either be installed on a wall or on a table.
Adaptation kit Ref. 926/4, consisting of an inclined stand to facilitate the use of the intercom itself, is available for table installations.

INSTALLATION

WALL SET



The intercom should be mounted about 1,5m from the floor.

To remove the intercom casing from the base, lift up with a screwdriver in the area indicated.
Lift off the casing.

Use the screw anchors and screws furnished with the intercom to fasten the base to the wall.

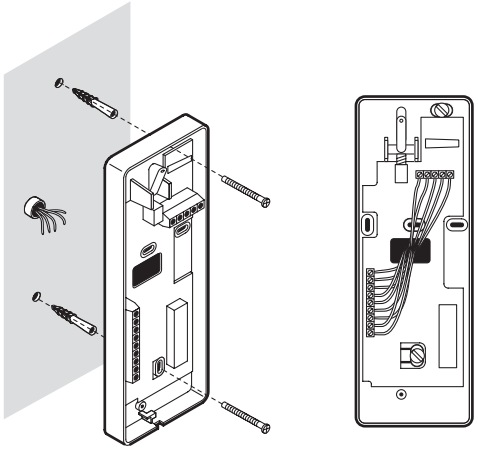
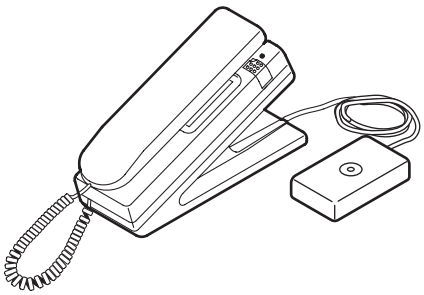
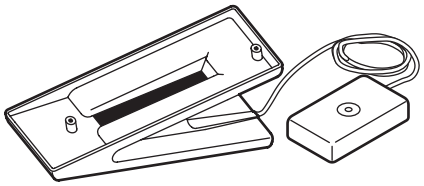


TABLE SET

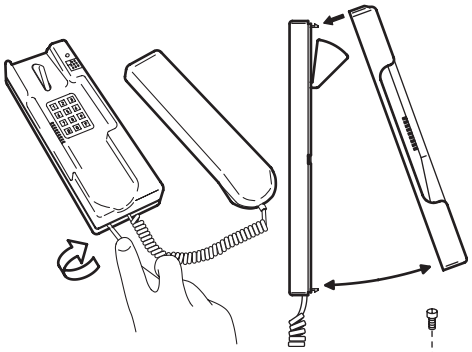


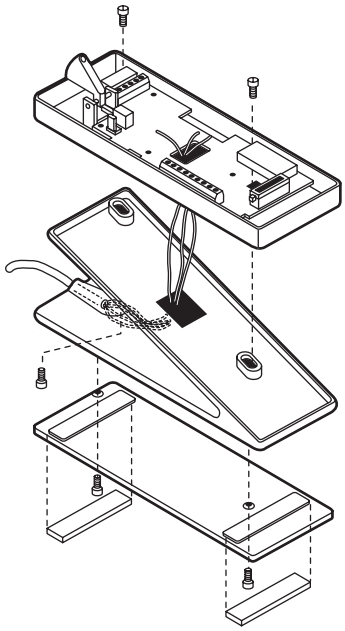
For table mounting it is necessary to buy the table kit that includes stand, cord with socket and accessories Ref. 926/4.



Proceed as follows:

- Remove the intercom casing by means of a screwdriver in the area indicated, rotating the cover on the two upper hooks.
- Release the two side latches E by pressing them from the inside of zone F.
- Fix the plate under the base by means of the proper screws.
- Insert under the base, in the proper holes, the two self adhesive rubbers (included in the socket kit).
- Insert the cord with socket and fix it to the hook. Then connect the system wires to the correspondent terminals of the terminal board.



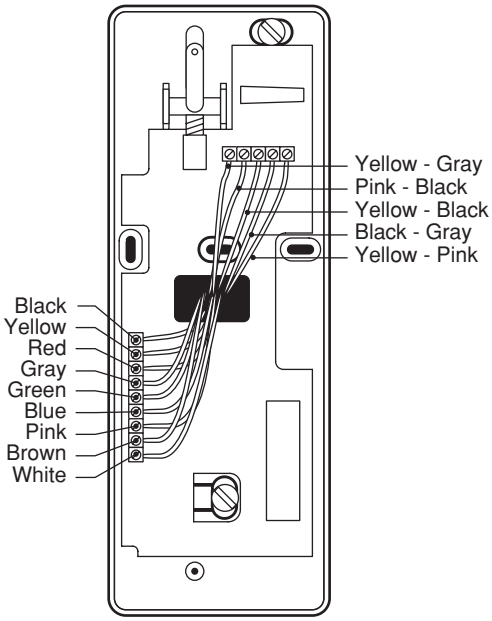


The connection cable wires to the door phone socket wire are very specific for table installations. They must be connected to the intercom terminals as follows:

MI	Black	D	Yellow
+12	Red	MF	Gray
L1	Green	L2	Blue
L3	Pink	L4	Brown
L5	White		

Connection for the loudspeaking unit (Ref. 926/2 only):

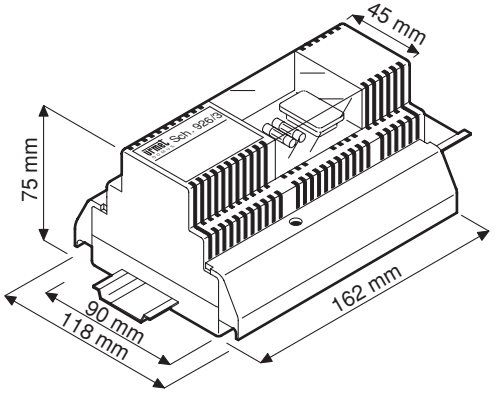
CA	Yellow-Gray	2	Pink-Black
1	Yellow-Black	-/~	Black-Gray
AP	Yellow-Pink		



PUSH BUTTON PANEL AND AMPLIFIED LOUDSPEAKING UNIT

The devices normally used in 4+n wire door phone systems can be employed.

POWER SUPPLY Ref. 926/3



This power supply has been designed according to the IEC 12/13 5th Ed. Dec. 1988 International Security Regulations - and is built following the present market requirements, the tendency of which is to centralize the electric equipment in proper cabinets.

FEATURES

The power supply 926/3 is set for a medium system of 25 intercoms (926/1). In case of systems with more intercoms, connect more power supplies in parallel, up to 4 max. In this case follow carefully the system schemes.

TECHNICAL DATA

- **Electrical characteristics**
  Transformer power: **38 VA**
  Powering: **110/230 ~**
  Secondary voltages:
  11.5V 0.6 A
  24V 40 mA max.
  24V 10 mA max.
- **Powering 11.5 V section:**
  It supplies powering to the intercoms and max. current of 600 mA;
- **Phonic line powering section:**
  It includes 5 identic circuits. Each circuit supplies a constant current of about 30 mA with max. voltage of 24 V;
- **Data output:**
  It supplies a voltage of 24 V with a resistance series 2.2 K Ω per data wire.
- **Amplifier output:**
  On this output the signal coming from the 5th phonic line is injected and it is uncoupled by means of condenser. The output circuit includes two schottky diodes with a 150 Ω resistance in parallel.

- Operating temperature: **0° C ÷ 40°C**
- Dimensions:
  Length: **162 mm**
  Thickness: **75 mm**
  Width (with side protections): **108 mm**
  Width (without side protections): **90 mm**
  Weight: **0.950 Kg**
  Connections: **by means of terminals with clamping screw**

FUNCTIONS

All functions can be activated through the 12-key alphanumeric keypad located on the base of the intercom:

1	2	3
4	5	6
7	8	9
R	0	F

NOTE:
R = Redial
F = Follow-me

The key located on the upper right of Mod. 926/2 is used for opening the door. Other functions (clearing a line, general call) can only be performed from authorized (enabled) intercoms. The activation of these functions can only be done during the programming phase.
Please consult the chapter on programming for further information.

SINGLE CALL

Caller
To talk to another intercom station:
- Lift the handset.
- Dial the TWO DIGIT number of the other-party.
- Listen for the tone and observe the led:
  - Ringing tone: wait for the called party to answer.
  - Busy tone and led off: the number called is engaged → try again later or activate the automatic redial function or the clear the line function (if authorized).
  - Busy tone and led on: the 4 telephone lines are engaged → try again later.

Called Party
When the phone rings, lift up the handset and begin the conversation. At the end of the conversation, if the called party hangs up the handset the intercom is disconnected from the line and it will communicate, on the data line, the end of the conversation to the caller who, in his turn, will disconnect his intercom physically and logically from the line. The handset will be mute until the hanging up.
On the contrary, If the caller hangs up the handset, he will free the line, physically and logically, and he will communicate to the called party the end of conversation. This last one, in his turn, will disconnect the intercom physically.

A conversation cannot last longer than 10 minutes in order to allow other users access to the phone lines. Once this time has lapsed, an acoustic “end-of-conversation warning” signal will be sent to both intercom door phones.
The communication will be disconnected 10 seconds after the warning signal.

REDIAL RESERVATION

Caller
If the number called is engaged, an automatic redial reservation can be activated by pressing the “R” key before hanging up. Then listen for the tone:
- No tone: automatic redial reservation was accepted → hang up.
- Persistent busy tone: automatic redial reservation was not accepted because the number called already has an automatic redial reserved onto its line from another intercom → hang up and try again later. When the intercom door phone that was reserved to becomes free, the caller who initiated the reservation will automatically receive a call-back.

Attention: *there will be situations in which the call-back will not take place. These situations will be described in the “Called Party” section below.*

Called Party
During the course of a normal conversation, any reservations to the line will be indicated by a blinking led on the intercom. The user who is the subject of a reservation has two courses of action:
- He can decide “a priori” to eliminate the reservation by pressing the “R” key either during the course of the conversation or immediately after hanging up (within 5 seconds).
- He can decide to talk to whoever had reserved by hanging up and waiting for the system to automatically set up the communication and then for his intercom to ring.
  If all of the phonic lines are not engaged, this will take place within 5 seconds after hanging up. If, however, all the lines are engaged, the system will attempt to establish the communication every 15 seconds, up to maximum of 10 trials. The reservation will be canceled if the tenth attempt was also unsuccessful.

CLEARING THE LINE

Caller (only from authorized intercom door phones)
Lift the handset and dial the number of the called party. If this party is on the line (busy tone is heard and led is off), the line can be “cleared” i.e. the conversation in course can be disconnected. To do so, simply dial the special “00” number.
Conversation will be established with the cleared intercom door phone within 20 seconds.

Called Party
A clearing request during the course of a normal conversation will be identified both acoustically and visually (blinking led).
At this point, the called party will have 20 seconds in which to terminate the conversation in course.
There are two possible courses of action:
- Hang up within 20 seconds. The intercom will ring and when the handset is lifted, communication will be established with the caller who had initiated the “clearing”.
- If the called party does not hang up within 20 seconds, he will be disconnected from his current conversation and connected with the caller who had requested the “clearing”.

The line clearing function WILL HAVE NO EFFECT on another intercom which is also authorized to clear lines or if the intercom is in communication with the outdoor station.

CONFERENCE CALL

The conference function can connect up to four different users in one phonic communication. Only the intercom which made the first call can call other intercom in the course of a conversation. In order to include another intercom in the conversation, simply dial the extension number. One of the following situations will occur:
- The intercom door phone called is free: when the handset is lifted, the called party will be included in the conversation in course.
- The intercom door phone is free: if the handset is not lifted within 30 seconds, the call will not go through.
- The intercom door phone called is engaged: there will be a busy tone of a short duration.

FOLLOW-ME

This function allows incoming calls to be routed to another intercom. Up to a maximum of eight other intercoms can be routed to one intercom. Several consecutive reroutings of calls from one intercom can be made to several different intercoms.

How to forward calls from one intercom door phone to another
- Go to the other intercom door phone.
- Lift the handset of the other intercom.
- Press the dedicated “F” key and dial the number of your intercom door phone.
- Listen for the tone on the handset; one of the following two situations will take place:
  - Dial tone: the operation was successful → hang up.
  - Busy tone: calls cannot be routed because calls to 8 other intercoms have already been forwarded to that intercom → hang up.

How to reset your intercom door phone
- Return to your intercom.
- Lift the handset.
- Press the dedicated “F” key and dial your own number.
- Hang up.

Secretary function
This function permits the user to route his own incoming calls to another intercom (i.e. the secretary one). All his own incoming calls are routed to the secretary intercom EXCEPT the call that arrives from the same secretary. In this way the secretary can, if needed, “announce” the calls; anyway it cannot “transfer” the call. The routed set can always make outgoing calls (and then it can call again the person “announced” by the secretary). This function can be carried out by modifying the “follow me” as regard to the last paragraph (the crossed one).

GENERAL CALLS (only from authorized intercom door phone)

A general call can be made through a loudspeaker connected to a suitable amplifier.
The general call can take place at the same time as four other conversations, without interfering with them. General call can only be made from intercoms which were explicitly defined for making such calls during the programming phase.
To make a general call:
- Lift the handset.
- Dial the special “99” number.
- Wait for the “ding-dong” to be generated.
- Make the announcement.
- Redial the special “99” number.
- Hang up.

ANSWERING A CALL FROM THE OUTDOOR STATION

This feature is only available on Ref. 926/2 intercom door phone.
A call from the outdoor station produces a different acoustic signal from the normal one and can be easily recognized. Lift the handset to establish communication; the open-door key can be used to operate the electric lock at any point.

When a user, engaged in conversation with the outdoor station, receives a call from the inside, he visualize the call on the led without the possibility to be interrupted (not even with the clearing the line function).
Vice versa, when a user, engaged in conversation with another internal user, receives a call from an outdoor station, he will see the blinking led up to the call key is pressed and he will hear an acoustic signal that indicates the call with more emphasis.

PROGRAMMING

All the intercom door phones are produced and tested by URMET DOMUS. They are all programmed with the following values during the testing phase:
- Number: 98
- General call function disabled: 0
- Line clearing disabled: 0

The devices must all be programmed with two digits, e.g. from 01 to 09, from 10 to 19, from 20 to 25, or with any other number from 01 to 97.

These values can be changed at any time through the keypad by following the procedure described below:
- Simultaneously press the “R” and the “F” keys for two seconds. If one or two “beeps” are heard while the keys are pressed, it means that the two keys were not pressed simultaneously → repeat the operation.
- When the led is lit and a brief acoustic tone is heard, release the two keys.
- Enter the number to be assigned to the intercom.
- The led will go off for a short interval and then go on again, coinciding with a brief acoustic tone.
- Set authorization (1) or disable (0) for the general call function.
- The led will go off for a short interval and then go on again, coinciding with a brief acoustic tone.
- Set authorization (1) or disable (0) for the line clearing function.
- The led goes off definitively, coinciding with a brief acoustic tone.

If the procedure described above is not completed within 30 seconds, the intercom will return to normal operating conditions, without storing the setting that were entered.

INSTALLATION

WIRES LAYING

All system intercom door phones must be interconnected in parallel using 9 wires (or 8 if the general call installation is not provided for). These wires have the following functions:
- 1 for the power supply voltage **+ 12**
- 1 for the logical ground **ML**
- 1 for the data line **D**
- 4 for the 4 phonic lines **L1, L2, L3, L4**
- 1 for the general call phonic line (this wire can be omitted on installations where this feature is not required) **L5**
- 1 for the phonic ground **MF**

In addition, installations connected to a Call Station must be considered 4+N additional wires, which increase the number of wires to the installation to 13+N (where N depends on the number of call keys used – usually 1 or 2).
These 4+N wires are used as follows:
- 3 for the talk volume (F1, F2 and ground).
- 1 for the door-opener.
- N for the call.

If the GENERAL call amplifier is not used do not connect the wire L5.

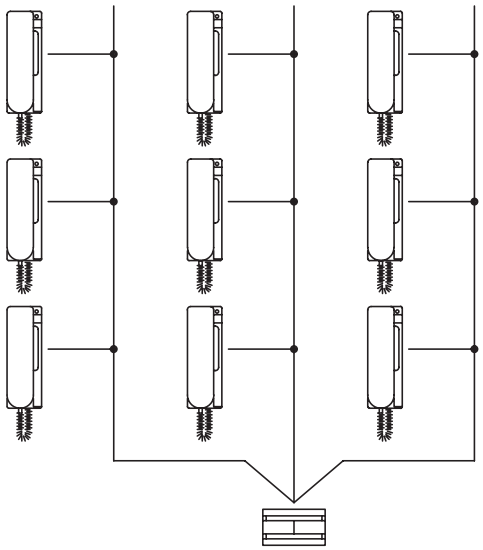
The maximum distance between the power supply and the furthest intercom must be less than 200 meters.
The maximum distance between two intercom door phones to ensure a relatively low cross-talk effect is 200 meters. The cross-talk effect increases progressively with an increase in distance.
It is therefore advisable to avoid unnecessary connections distances.

WIRE SECTION

The section of the wires to be used depends on the distance between the two intercoms furthest from the installation.
Note carefully the following table:

Max distance (meters)	50	100	200
Section (mm^2)	0,50	0,80	1
R (Ohm/Km)	35	21,8	17,5

Should it be necessary to have larger installations, it would be possible to resort to a solution in which more branches lead off from one point, as illustrated in the figure below. In this case, the cross-talk effect would remain unchanged within each individual branch (the maximum distance between any two intercoms must therefore be less than 200 meters). However, intercoms on different branches would not have any effect on each other. This type of solution can also be used on normal installations, i.e. for short distances, to further reduce the cross-talk effect.



CONNECTION TO THE GENERAL CALL UNIT

A suitable amplifier must be connected between the “A+” and the “A-” terminals of the power supply in order to equip the installation with a general call system. The amplifier must have a 0,775 mV (or dBm) input with an input impedance greater than 50 Ohm and with its output power selected in function of the number and power of the loudspeakers to be used.
It is recommended that the amplifier be placed as close to the power supply as possible and be connected to it with a shielded cable.

CONNECTION TO THE CALL STATION

Installation can be made with up to two Call Stations with automatic switching (through a 788/1 relay box). Each Call Station must consists of a Loudspeaking Unit and a certain number of call keys.
Power to the Call Station must be supplied separately by a dedicated power supply (e.g. Ref. 786/1A). Connections to the loudspeaking unit must be made through terminal 1A. The electric lock must be activated through a Ref. 788/21 repeater relay. The door-opener is always a “free door-opener”, i.e. the door can be opened at any time by pressing the door opener-key.

INSTALLATIONS WITH ONE CALL KEY

A basic installation is one in which several intercoms (type 926/2) are connected to a Call Station and can all answer a single call key. In this case, when there is a call, all 926/2 intercoms will ring at the same time. The first intercom to answer will automatically exclude the other intercom, thus ensuring conversation privacy. The maximum number of 926/2 intercoms which can be connected in parallel depends, in this case, on the total number of intercoms (926/1 + 926/2) in the installation.
The following table summarizes the situation for standard installations with just one power supply.

Total numbers of intercoms (926/1 + 926/2)	Number of 926/2 which can be connected to a Call Station on one call button
1	1
2	2
.	.
.	.
.	.
15	15
16	16
17	15
18	14
19	14
20	13
21	12
22	12
23	11
24	10
25	10

Note that when the total number of intercom door phones in the installation is less than 16, they can all be type 926/2 and can be connected to the Call Station on the one call key. As the total number of intercoms in the installation is increased, the number of 926/2 which can be connected to a Call Station decreases progressively to 10.

INSTALLATIONS WITH TWO OR MORE CALL KEYS

This type of installation is used in small buildings (2/4/8/ apartments) where intercommunications and the “Follow-me” feature would be of interest. In this case, the cable conduit would be 8 (or 9) + 4 + N wires, which would limit possible applications to small user bases.
Type 926/2 intercoms must be used. They must be grouped in several groups (usually 1, 2 or 3 units each), each of which is assigned to a call key. When there is a call, all intercoms within the same group will ring simultaneously. The first intercom to answer will automatically exclude the other intercom door phone in that group, thus ensuring secrecy of conversation.
The table in the previous section remains valid, even though the number of 926/2 intercoms that are connected to each call key is generally 1 or at maximum, 2 or 3, in this type of installation.

EASIVOICE

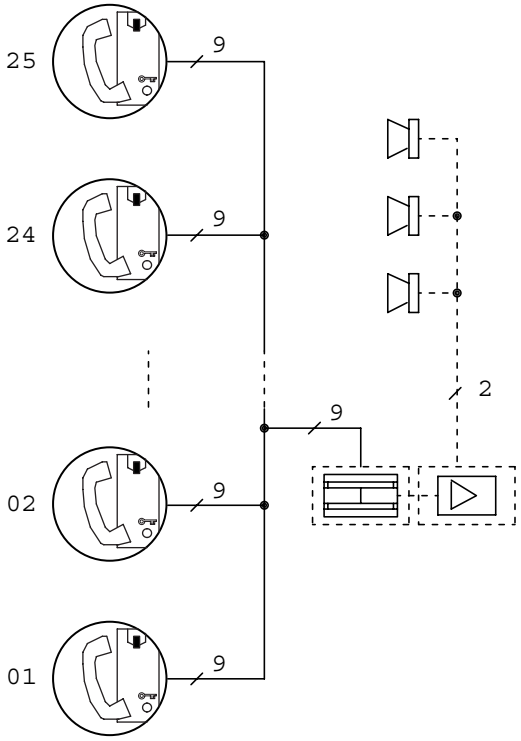
INTERCOM CONNECTION OF MAXIMUM 25 INTERCOM DOOR PHONES
Possibility of general call service by means of loudspeakers

FEATURES

This system allows an intercom service up to 25 intercom door phones maximum and with possibility of 4 simultaneous and independent conversations.
It is possible to make a general call by means of a 5th independent phonic channel.
All the intercom door phones must be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

Connect the GENERAL CALL installation only if necessary. It is recommended that the amplifier be placed as close to the power supply as possible and be connected to it with a shielded cable.

The power supply Ref. 926/3 is sized for an average installation of 25 intercoms. A larger number of intercoms will require additional power supplies connected in parallel, each of which will supply power to its own group of 25.
It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.



EQUIPMENT

For said installation (Scheme SC101-0313E) the following:

N. 25	Intercom door phones	**Ref. 926/1**
N. 1	Power supply	**Ref. 926/3**
N. 1	Amplifier *Possible and not supplied by URMET DOMUS*	
N. X	Loudspeakers Possible and not supplied by URMET DOMUS	

WIRES

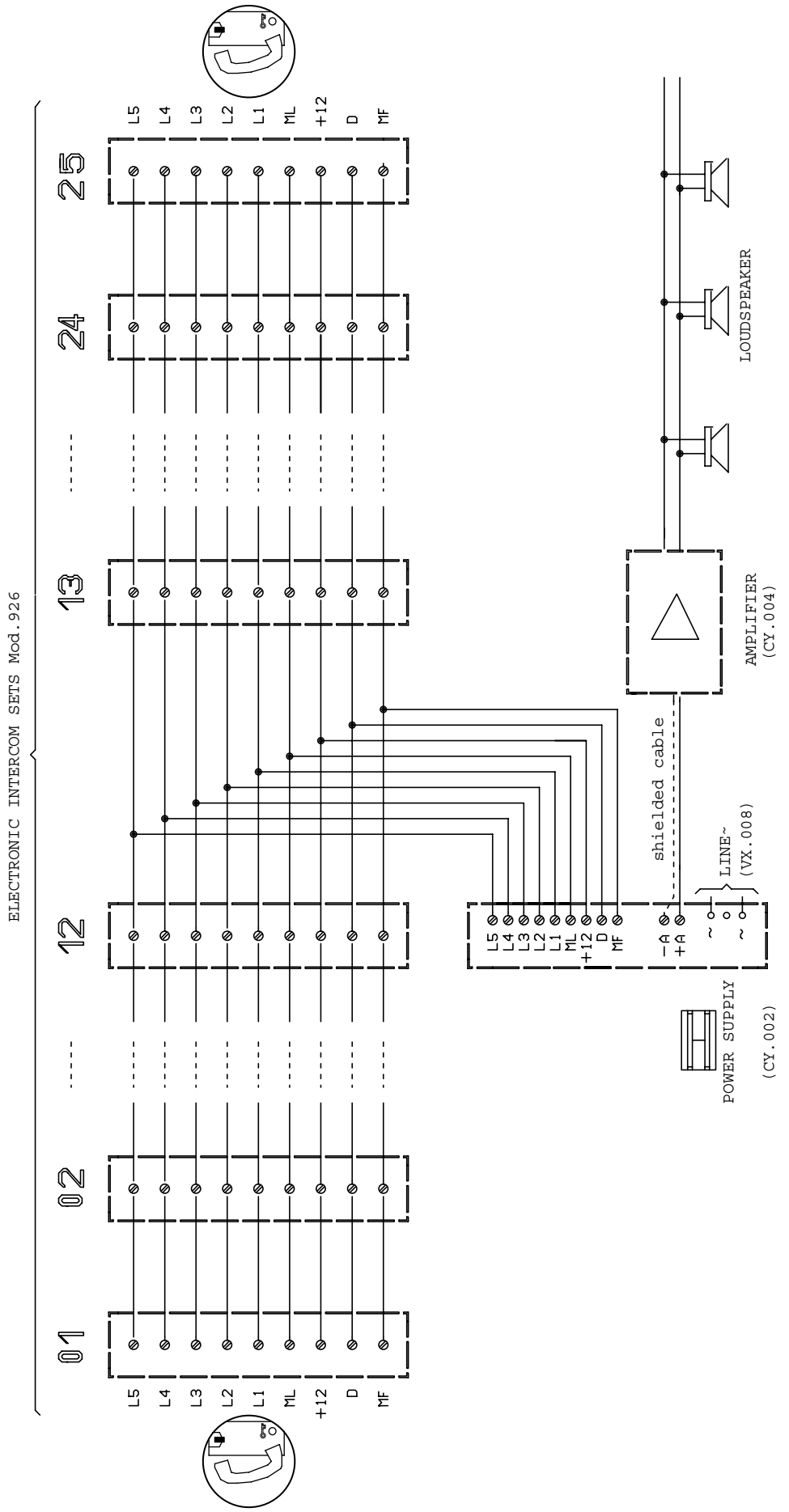
As indicated in Scheme SC101-0313E.
9 wires common to all the intercom door phones coming from the power supply are necessary.
In case the amplifier is not used for the GENERAL CALL, do not connect the wire L5 among the several intercoms. The common wires are reduced to 8.

DIAGRAM NOTES

(see section 1)
CY.001
CY.002
CY.003
CY.004
VX.008

COLLEGAMENTO INTERCOMUNICANTE DI UN MASSIMO DI INTERCOM CONNECTION OF MAXIMUM 25 INTERCOM DOOR PHONES
Possibility of general call service by means of loudspeakers

SC101-0313E



EASIVOICE

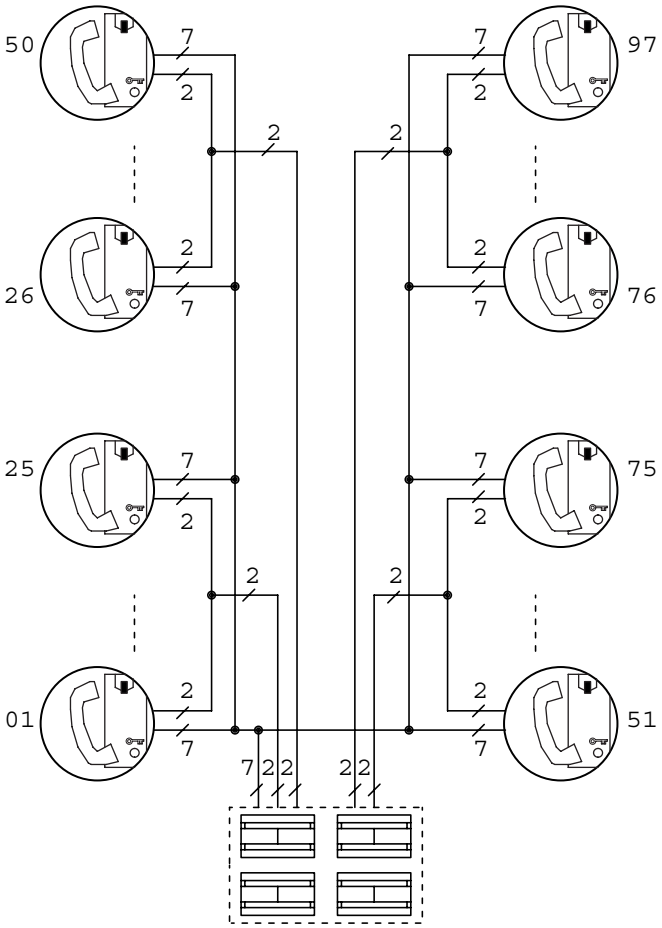
COLLEGAMENTO INTERCOMUNICANTE DI UN MASSIMO DI INTERCOM CONNECTION OF MAXIMUM 97 INTERCOM DOOR PHONES Possibility of general call service by means of loudspeakers

FEATURES

This system allows an intercom service up to 97 intercom door phones maximum and with possibility of 4 simultaneous and independent conversations.
It is possible to make a general call by means of a 5th independent phonic channel.
The intercom door phones must all be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

Connect the GENERAL CALL installation only if necessary. It is recommended that the amplifier be placed as close to the power supply as possible and be connected to it with a shielded cable.

The power supply Ref. 926/3 is sized for an average installation of 25 intercoms. A larger number of intercoms will require additional power supplies connected in parallel, each of which will supply power to its own group of 25.
It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.



EQUIPMENT

For said installation (Scheme SC101-0315E) the following:

N. 97	Intercom door phones	**Ref. 926/1**
N. 4	Power supplies	**Ref. 926/3**
N. 1	Amplifier *Possible and not supplied by URMET DOMUS*	
N. X	Loudspeakers Possible and not supplied by URMET DOMUS	

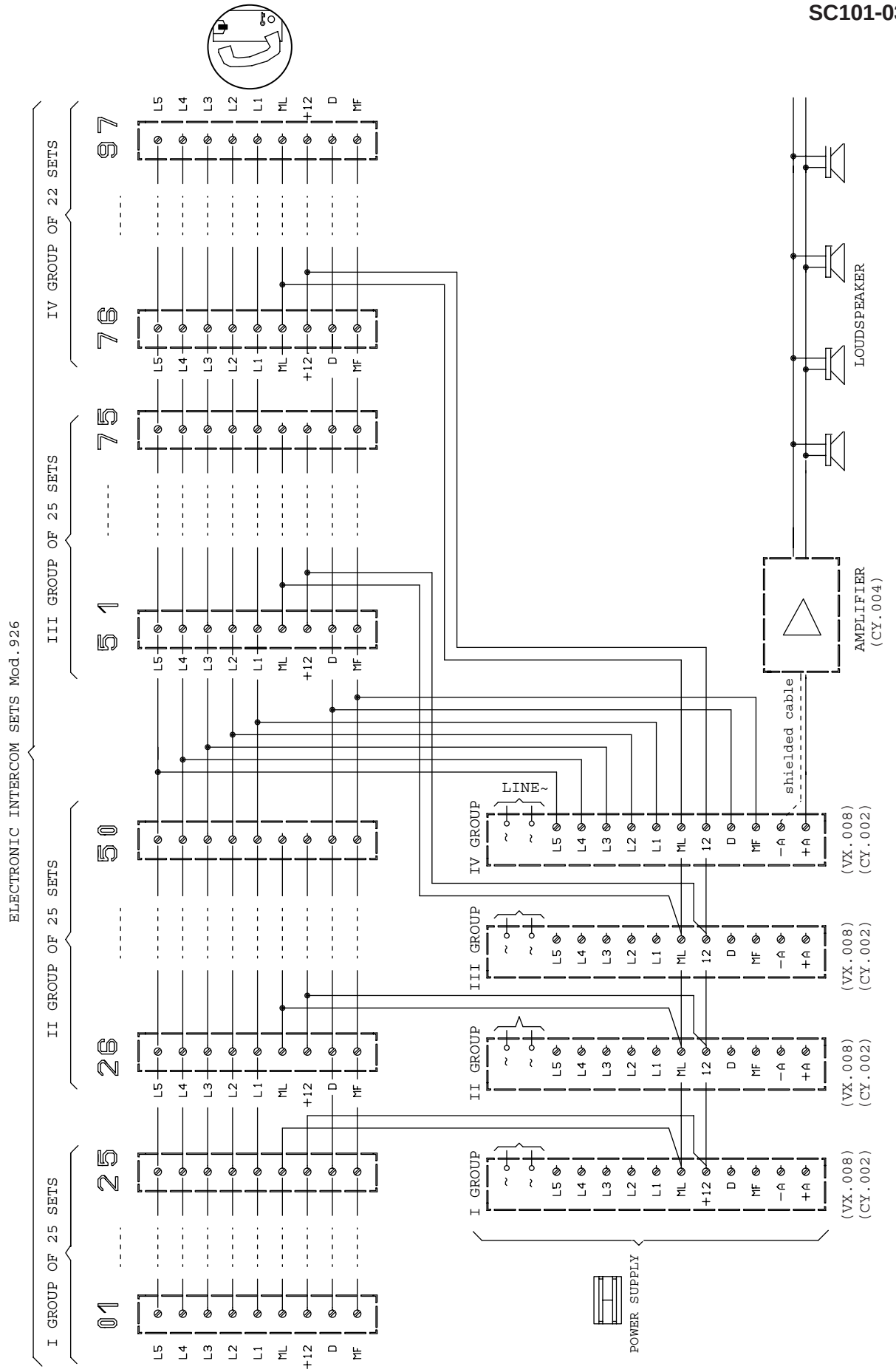
WIRES

As indicated in Scheme SC101-0315E.
7 wires common to all the intercom door phones coming from the power supply are necessary.
Each power supply feeds its group of 25 intercoms with 2 wires common to the intercoms of that group.
In case the amplifier is not used for the GENERAL CALL, do not connect the wire L5 among the several intercoms. The common wires are reduced to 6.

DIAGRAM NOTES

(see section 1)
CY.001
CY.002
CY.003
CY.004
VX.008

SC101-0315E


ELECTRONIC INTERCOM SETS Mod.926
I GROUP OF 25 SETS
II GROUP OF 25 SETS
III GROUP OF 25 SETS
IV GROUP OF 22 SETS
01 25 26 50 51 75 76 97
L5 L4 L3 L2 L1 ML +12 D MF
I GROUP
II GROUP
III GROUP
IV GROUP
LINE~
+12
12
-A +A
(VX.008) (CY.002)
POWER SUPPLY
shielded cable
AMPLIFIER (CY.004)
LOUDSPEAKER

EASIVOICE

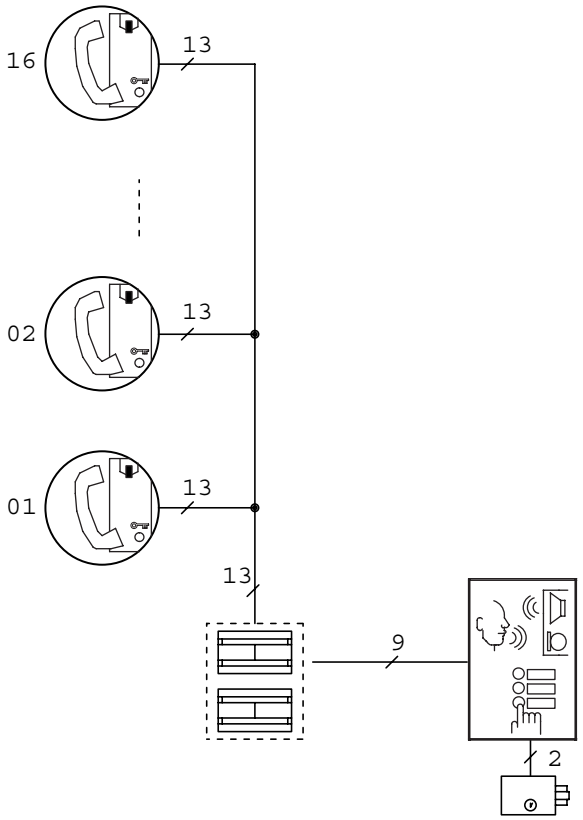
INTERCOM CONNECTION OF MAXIMUM 16 INTERCOM DOOR PHONES
With possibility to answer to 1 outdoor station
All the intercom door phones are called in parallel from the outdoor station

FEATURES

This system allows an intercom service up to 16 intercom door phones maximum and with possibility to answer to the calls coming from the outdoor station. It is possible to make 4 simultaneous conversations among the several intercoms plus one with the outdoor station.
The outdoor station has only one call key. When it is pressed all the intercom door phones 926/2 ring simultaneously: the first intercom that answers automatically excludes all the other ones, guaranteeing the secrecy of conversation.

The intercom door phones must all be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

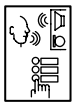
Due to absorption problems, no more than 16 intercoms can be called in parallel. It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.



EQUIPMENT

For said installation (Scheme SC 101-0316G) the following:

N. 16	Intercom door phones		**Ref. 926/2**
N. 1	Power supply		**Ref. 926/3**
N. 1	Power supply for door phone system	28VA	**Ref. 786/11**
		28VA	**Ref. 786/1**
		28VA	**Ref. 786/14**
		38VA	**Ref. 786/38**
N. 1	Relay		**Ref. 788/21**



OUTDOOR STATION REFERENCES

Mod. Sinthesi

N. 1	Module with door unit set-up	**Ref. 1145/21**
N. 1	Door unit	**Ref. 1145/500**

Mod. K-Steel

N. 1	Module with door unit	**Ref. 1155/21**

Mod. 725

N. 1	Panels with 1 button	**Ref. 725/101**
N. 1	Door unit	**Ref. 5150/500**

Domus Aura model

N. 1	Panels with 1 button	**Ref. 1110/1**
N. 1	Door unit	**Ref. 5150/500**

NOTE: *for correct installation of panels refer to "Door phone and Video door phone Product Technical Manual".*

WIRES

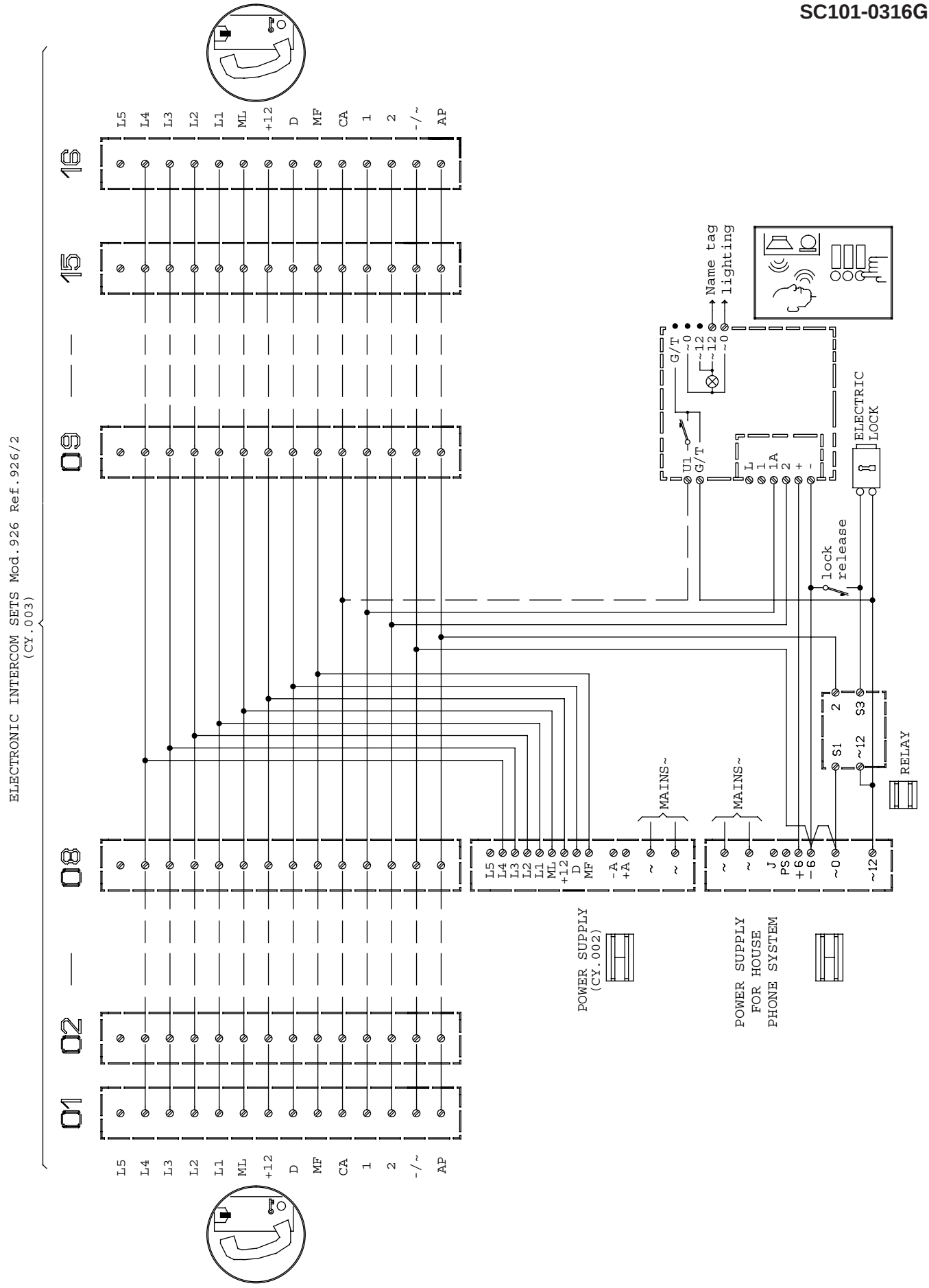
As indicated in Scheme SC101-0316G.
13 wires common to all the intercom door phones are necessary, 8 of which coming from the power supply Ref. 926/3 and 5 from the push button panel, power supply and relay.

The electric lock will be released through the relay box Ref. 788/52.

DIAGRAM NOTES

(see section 1)
CY.001
CY.002
CY.003
VX.008

SC101-0316G


ELECTRONIC INTERCOM SETS Mod.926 Ref.926/2
(CY.003)
16
15
09
08
02
01
L5 L4 L3 L2 L1 ML +12 D MF CA 1 2 -/~ AP
Name tag lighting
G/T ~0 ~12 ~12 ~0
U1 G/T
L 1 1A 2 + -
ELECTRIC LOCK
lock release
S1 2 S3 ~12
RELAY
MAINS~
MAINS~
-A +A
J PS +6 -6 ~0 ~12
POWER SUPPLY (CY.002)
POWER SUPPLY FOR HOUSE PHONE SYSTEM

EASIVOICE

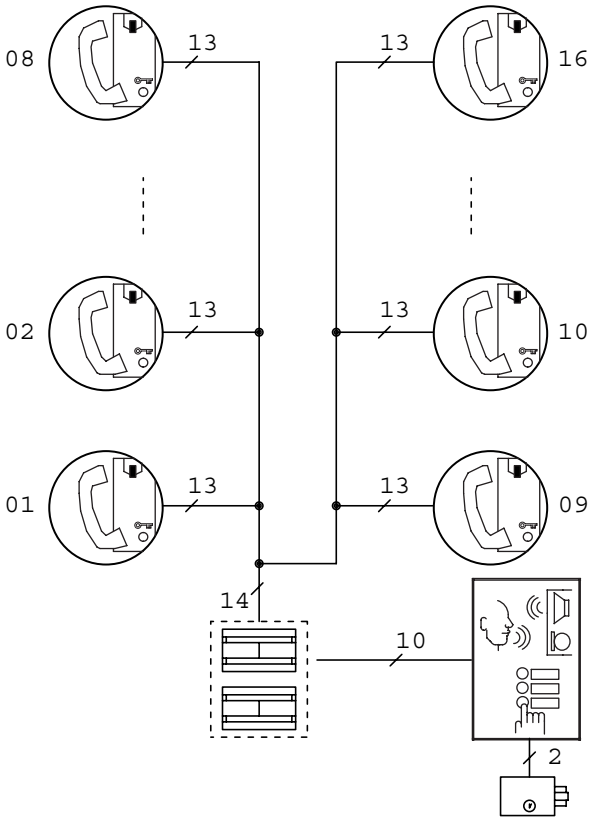
INTERCOM CONNECTION OF MAXIMUM 16 INTERCOM DOOR PHONES With possibility to answer to 1 outdoor station The intercoms are divided in two groups of 8. The outdoor station is equipped with two keys: with one of them it calls in parallel the 8 intercoms of group I, with the second one those of group II

FEATURES

This system allows an intercom service up to 16 intercom door phones maximum and with possibility to answer to the calls coming from the outdoor station. It is possible to make 4 simultaneous conversations among the several intercoms plus one with the outdoor station.
The outdoor station has only two call keys: with one of them it calls in parallel the 8 intercoms of group I, with the second one those of group II. The first intercom that answers automatically exclude all the other ones, guaranteeing the secrecy of conversation.

The intercom door phones must be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

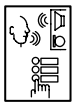
Due to absorption problems, no more than 16 intercoms can be called in parallel. It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.



EQUIPMENT

For said installation (Scheme SC 101-0361G) the following:

N. 16	Intercom door phones		**Ref. 926/2**
N. 1	Power supply		**Ref. 926/3**
N. 1	Power supply for door phone system	28VA	**Ref. 786/11**
		28VA	**Ref. 786/1**
		28VA	**Ref. 786/14**
		38VA	**Ref. 786/38**
N. 1	Call repeater relay		**Ref. 788/21**



OUTDOOR STATION REFERENCES

Mod. Sinthesi

N. 1	Module with door unit set-up	**Ref. 1145/22**
N. 1	Door unit	**Ref. 1145/500**

Mod. K-Steel

N. 1	Module with door unit	**Ref. 1155/22A**

Mod. 725

N. 1	Panels with 2 buttons	**Ref. 725/102**
N. 1	Door unit	**Ref. 5150/500**

Domus Aura model

N. 1	Panels with 2 buttons	**Ref. 1110/2**
N. 1	Door unit	**Ref. 5150/500**

NOTE: *for correct installation of panels refer to "Door phone and Video door phone Product Technical Manual".*

WIRES

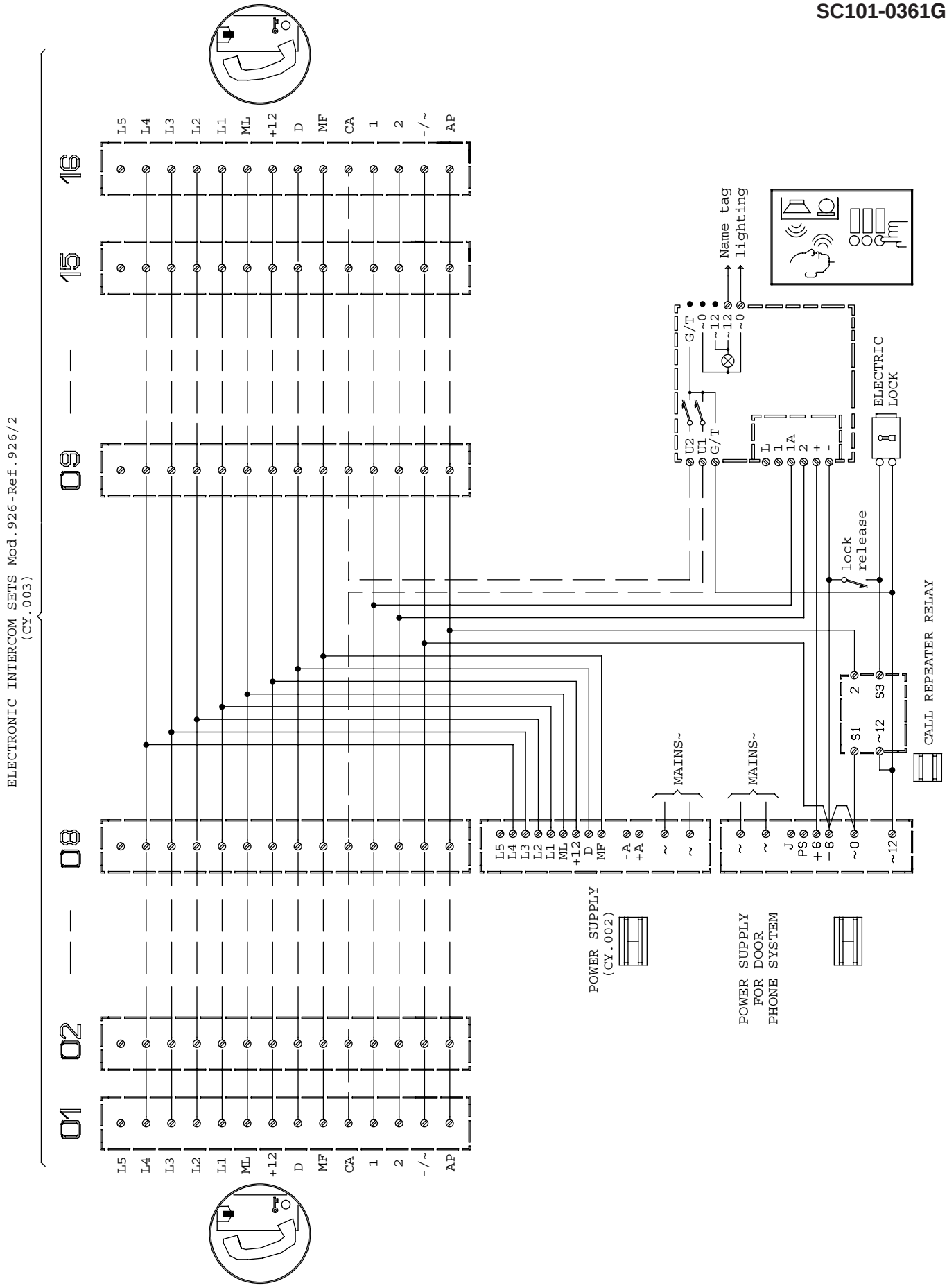
As indicated in Scheme SC101-0361G.
12 wires common to all the intercom door phones are necessary, 8 of which coming from the power supply Ref. 926/3 and 4 from the push button panel, power supply and relay.
Moreover from the push button panel two other wires, for calls, start; each of them is connected in parallel to the 8 intercoms of the correspondent group.

The electric lock will be released through the relay box Ref. 788/52.

DIAGRAM NOTES

(see section 1)
CY.001
CY.002
CY.003
VX.008

SC101-0361G


ELECTRONIC INTERCOM SETS Mod.926-Ref.926/2
(CY.003)
01
02
08
09
15
16
L5 L4 L3 L2 L1 ML +12 D MF CA 1 2 -/~ AP
Name tag lighting
G/T ~0 ~12 ~12 ~0
U2 U1 G/T
L 1 1A 2 + -
ELECTRIC LOCK
lock release
CALL REPEATER RELAY
S1 2 S3 ~12
MAINS~
MAINS~
-A +A ~ ~
~ ~ J PS +6 -6 ~0 ~12
POWER SUPPLY (CY.002)
POWER SUPPLY FOR DOOR PHONE SYSTEM

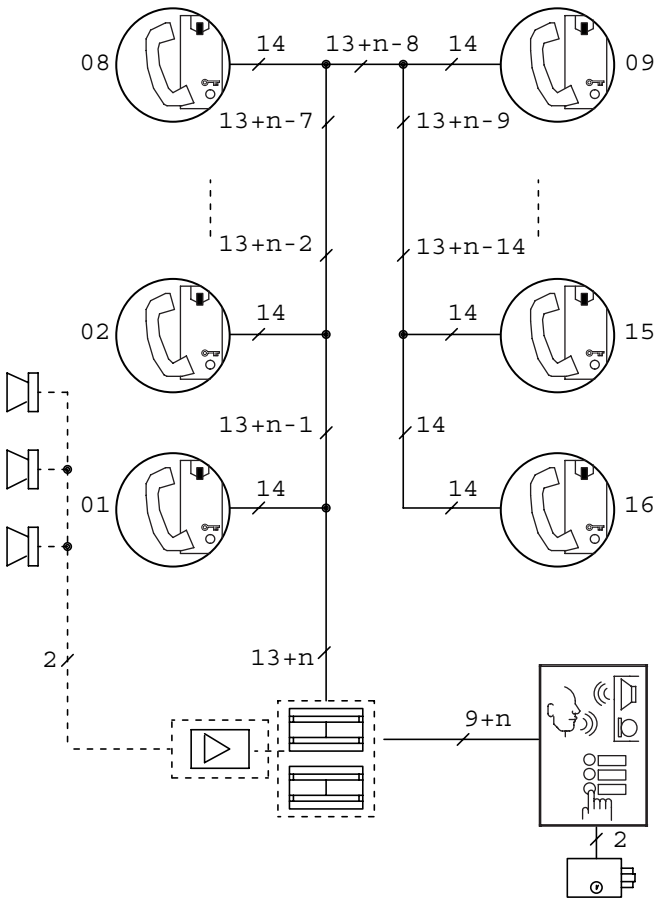
INTERCOM CONNECTION OF MAXIMUM 16 INTERCOM DOOR PHONES
EASIVOICE With possibility to answer to 1 outdoor station. The intercoms are called separately from theoutdoor station. Possibility of paging service by means of loudspeakers

FEATURES

This system allows an intercom service up to 16 intercom door phones maximum and with possibility to answer to the calls coming from the outdoor station. It is possible to make 4 simultaneous conversations among the several intercoms plus one with the outdoor station.
The outdoor station calls the several intercoms separately.
The intercom door phones must all be programmed with two digits, i.e. from 01 to 09, from 10 to 19, from 20 to 25, or any other number between 01 and 97.

The GENERAL CALL must be connected only if necessary. It is recommended to place the amplifier as close as possible to the power supply and to connect them with a shielded cable.

Due to absorption problems, no more than 16 intercoms can be called in parallel. It is recommended that the power supply Ref. 926/3 be placed at the center of the installation to minimize the cross-talk effect.



EQUIPMENT

For said installation (Scheme SC101-0382F) the following:

N. 16	Intercom door phones		**Ref. 926/2**
N. 1	Power supply		**Ref. 926/3**
N. 1	Power supply for door phone system	28VA	**Ref. 786/11**
		28VA	**Ref. 786/1**
		28VA	**Ref. 786/14**
		38VA	**Ref. 786/38**
N. 1	Call repeater relay		**Ref. 788/21**
N. 1	Amplifier *Possible and not supplied by URMET DOMUS*		
N. X	Loudspeakers *Possible and not supplied by URMET DOMUS*		

OUTDOOR STATION REFERENCES

Mod. Sinthesi

N. 1	Module with door unit set-up	**Ref. 1145/20-/21-/22**
N. 1	Door unit	**Ref. 1145/500**
N. X	Button modules	**Ref. 1145/11-/12-/13-/14**

Mod. K-Steel

N. 1	Module with door unit	**Ref. 1155/20-/21-/22A**
N. X	Button modules	**Ref. 1155/11-/12A-/13A-/14A**

Mod. 725

N. 1	Panels with 2 buttons	**Ref. 725/102**
N. 1	Door unit	**Ref. 5150/500**

Domus Aura model

N. 1	Panels with 2 buttons	**Ref. 1110/2**
N. 1	Door unit	**Ref. 5150/500**

NOTE: *for correct installation of panels refer to "Door phone and Video door phone Product Technical Manual".*

WIRES

As indicated in Scheme SC101-0382F.
13 wires common to all the intercom door phones are necessary, 9 of which coming from the power supply Ref. 926/3 and 4 from the push button panel, power supply and relay.
Moreover from the push button panel all single call wires start towards each intercom.
In case the amplifier is not used for the GENERAL CALL, do not connect the wire L5 among the several intercoms. The common wires are reduced to 12.

The electric lock will be released through the relay box Ref. 788/52.

DIAGRAM NOTES

(see section 1)
CY.001
CY.002
CY.003
CY.004
VX.008

urmet

INTERCOM CONNECTION OF MAXIMUM 16 INTERCOM DOOR PHONES
With possibility to answer to 1 outdoor station. The intercoms are called separately EASIVOICE from theoutdoor station. Possibility of paging service by means of loudspeakers

SC101-0382F